

860 Purchase Order Change Request - Buyer Initiated

Functional Group ID=**PC**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Request - Buyer Initiated Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the information required for the customary and established business and industry practice relative to a purchase order change. This transaction can be used: (1) by a buyer to request a change to a previously submitted purchase order or (2) by a buyer to confirm acceptance of a purchase order change initiated by the seller or by mutual agreement of the two parties.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
	0005	ISA	Interchange Control Header	O		1	
	0010	GS	Functional Group Header	O		1	
M	0100	ST	Transaction Set Header	M		1	
M	0200	BCH	Beginning Segment for Purchase Order Change	M		1	
	0400	CUR	Currency	O		1	
	0500	REF	Reference Identification	O		>1	
	0600	PER	Administrative Communications Contact	O		3	
	1500	DTM	Date/Time Reference	O		10	
LOOP ID - N1						200	
	3000	N1	Name	O		1	
	3200	N3	Address Information	O		2	
	3300	N4	Geographic Location	O		>1	

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - POC						>1	
	0100	POC	Line Item Change	O		1	
	0150	LIN	Item Identification	O		>1	
LOOP ID - PID						1000	
	0500	PID	Product/Item Description	O		1	

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - CTT						1	
	0100	CTT	Transaction Totals	O		1	n1
	0200	AMT	Monetary Amount	O		5	
M	0300	SE	Transaction Set Trailer	M		1	
	0310	GE	Functional Group Trailer	O		1	

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

Segment: **ISA** Interchange Control Header
Position: 0005
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ISA01	I01	Authorization Information Qualifier Code identifying the type of information in the Authorization Information Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	ISA02	I02	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M 1 AN 10/10
M	ISA03	I03	Security Information Qualifier Code identifying the type of information in the Security Information Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	ISA04	I04	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M 1 AN 10/10
M	ISA05	I05	Interchange ID Qualifier Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	ISA06	I06	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M 1 AN 15/15
M	ISA07	I05	Interchange ID Qualifier Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	ISA08	I07	Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M 1 AN 15/15
M	ISA09	I08	Interchange Date Date of the interchange	M 1 DT 6/6
M	ISA10	I09	Interchange Time Time of the interchange	M 1 TM 4/4
M	ISA11	I65	Repetition Separator Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator	M 1 AN 1/1
M	ISA12	I11	Interchange Control Version Number Code specifying the version number of the interchange control segments	M 1 ID 5/5

			Refer to 004010 Data Element Dictionary for acceptable code values.		
M	ISA13	I12	Interchange Control Number	M	1 N0 9/9
			A control number assigned by the interchange sender		
M	ISA14	I13	Acknowledgment Requested	M	1 ID 1/1
			Code indicating sender's request for an interchange acknowledgment		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
M	ISA15	I14	Usage Indicator	M	1 ID 1/1
			Code indicating whether data enclosed by this interchange envelope is test, production or information		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
M	ISA16	I15	Component Element Separator	M	1 AN 1/1
			Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator		

Segment: **GS Functional Group Header**
Position: 0010
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:
Semantic Notes:

- 1 GS04 is the group date.
- 2 GS05 is the group time.
- 3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

- 1 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners	M 1 AN 2/15
M	GS03	124	Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners	M 1 AN 2/15
M	GS04	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
M	GS05	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M 1 TM 4/8
M	GS06	28	Group Control Number Assigned number originated and maintained by the sender	M 1 N0 1/9
M	GS07	455	Responsible Agency Code Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 1/2
M	GS08	480	Version / Release / Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 AN 1/12

Segment: **ST** Transaction Set Header
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:

- 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9
	ST03	1705	Implementation Convention Reference Reference assigned to identify Implementation Convention	O 1 AN 1/35

Segment: **BCH** Beginning Segment for Purchase Order Change
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Change Transaction Set and transmit identifying numbers and dates

Syntax Notes:
Semantic Notes: 1 BCH06 is the date assigned by the purchaser to purchase order.
 2 BCH09 is the seller's order number.
 3 BCH10 is the date assigned by the sender to the acknowledgment.
 4 BCH11 is the date of the purchase order change request.

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BCH01	353	Transaction Set Purpose Code Code identifying purpose of transaction set Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	BCH02	92	Purchase Order Type Code Code specifying the type of Purchase Order Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	BCH03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M 1 AN 1/22
	BCH04	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O 1 AN 1/30
	BCH05	327	Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O 1 AN 1/8
M	BCH06	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
	BCH07	326	Request Reference Number Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	O 1 AN 1/45
	BCH08	367	Contract Number Contract number	O 1 AN 1/30
	BCH09	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O 1 AN 1/50
	BCH10	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
	BCH11	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
	BCH12	1166	Contract Type Code Code identifying a contract type Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	BCH13	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following	O 1 ID 2/2

		Refer to 004010 Data Element Dictionary for acceptable code values.		
BCH14	587	Acknowledgment Type	O	1 ID 2/2
		Code specifying the type of acknowledgment		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
BCH15	640	Transaction Type Code	O	1 ID 2/2
		Code specifying the type of transaction		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
BCH16	1232	Purchase Category	O	1 ID 2/2
		Code identifying the broad category of products or services being acquired		
		Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **CUR** Currency
Position: 0400
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:
Comments:

- 1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

Ref.	Data Des.	Data Element	Name	Attributes
M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M 1 ID 3/3
	CUR03	280	Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O 1 R 4/10
	CUR04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/3
	CUR05	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O 1 ID 3/3
	CUR06	669	Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 3/3
	CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 3/3
	CUR08	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
	CUR09	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O 1 TM 4/8

CUR10	374	Date/Time Qualifier	X	1	ID 3/3
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.			
CUR11	373	Date	X	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
CUR12	337	Time	X	1	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
CUR13	374	Date/Time Qualifier	X	1	ID 3/3
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.			
CUR14	373	Date	X	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
CUR15	337	Time	X	1	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
CUR16	374	Date/Time Qualifier	X	1	ID 3/3
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.			
CUR17	373	Date	X	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
CUR18	337	Time	X	1	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
CUR19	374	Date/Time Qualifier	X	1	ID 3/3
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.			
CUR20	373	Date	X	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
CUR21	337	Time	X	1	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			

Segment: **REF** Reference Identification
Position: 0500
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>	
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M	1 ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	1 AN 1/50
	REF03	352	Description A free-form description to clarify the related data elements and their content	X	1 AN 1/80
	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	1
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M	ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN 1/50
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50
	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/3
	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50

Segment: **PER** Administrative Communications Contact
Position: 0600
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
	PER02	93	Name Free-form name	O 1 AN 1/60
	PER03	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER04	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER05	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER06	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER07	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER08	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER09	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number	O 1 AN 1/20

Segment: **DTM** **Date/Time Reference**
Position: 1500
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 3/3
	DTM02	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	X 1 DT 8/8
	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X 1 TM 4/8
	DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/3
	DTM06	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X 1 AN 1/35

Segment: **N1** Name
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
	N102	93 Name Free-form name	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code	X 1 AN 2/80
	N105	706 Entity Relationship Code Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/3

Segment: N3 Address Information
Position: 3200
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	N301	166	Address Information Address information	M 1 AN 1/55
	N302	166	Address Information Address information	O 1 AN 1/55

Segment: **N4 Geographic Location**
Position: 3300
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes:

- 1 Only one of N402 or N407 may be present.
- 2 If N406 is present, then N405 is required.
- 3 If N407 is present, then N404 is required.

Semantic Notes:
Comments:

- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
- 2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O 1 AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
N404	26	Country Code Code identifying the country	X 1 ID 2/3
N405	309	Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
N407	1715	Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

Segment: **POC** Line Item Change
Position: 0100
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify changes to a line item
Syntax Notes:

- 1 If POC03 is present, then both POC04 and POC05 are required.
- 2 If POC07 is present, then POC06 is required.
- 3 If either POC08 or POC09 is present, then the other is required.
- 4 If either POC10 or POC11 is present, then the other is required.
- 5 If either POC12 or POC13 is present, then the other is required.
- 6 If either POC14 or POC15 is present, then the other is required.
- 7 If either POC16 or POC17 is present, then the other is required.
- 8 If either POC18 or POC19 is present, then the other is required.
- 9 If either POC20 or POC21 is present, then the other is required.
- 10 If either POC22 or POC23 is present, then the other is required.
- 11 If either POC24 or POC25 is present, then the other is required.
- 12 If either POC26 or POC27 is present, then the other is required.

Semantic Notes: 1 POC01 is the purchase order line item identification.
Comments:

Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u> <u>Name</u>		
POC01	350 Assigned Identification	O	1 AN 1/20
	Alphanumeric characters assigned for differentiation within a transaction set		
M POC02	670 Change or Response Type Code	M	1 ID 2/2
	Code specifying the type of change to the line item		
	Refer to 004010 Data Element Dictionary for acceptable code values.		
POC03	330 Quantity Ordered	O	1 R 1/15
	Quantity ordered		
POC04	671 Quantity Left to Receive	X	1 R 1/9
	Quantity left to receive as qualified by the unit of measure		
POC05	C001 Composite Unit of Measure	X	1
	To identify a composite unit of measure (See Figures Appendix for examples of use)		
M C00101	355 Unit or Basis for Measurement Code	M	ID 2/2
	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
	Refer to 004010 Data Element Dictionary for acceptable code values.		
C00102	1018 Exponent	O	R 1/15
	Power to which a unit is raised		
C00103	649 Multiplier	O	R 1/10
	Value to be used as a multiplier to obtain a new value		
C00104	355 Unit or Basis for Measurement Code	O	ID 2/2
	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
	Refer to 004010 Data Element Dictionary for acceptable code values.		
C00105	1018 Exponent	O	R 1/15
	Power to which a unit is raised		
C00106	649 Multiplier	O	R 1/10
	Value to be used as a multiplier to obtain a new value		
C00107	355 Unit or Basis for Measurement Code	O	ID 2/2
	Code specifying the units in which a value is being expressed, or manner in		

		which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.		
C00108	1018	Exponent Power to which a unit is raised	O	R 1/15
C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 2/2
C00111	1018	Exponent Power to which a unit is raised	O	R 1/15
C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 2/2
C00114	1018	Exponent Power to which a unit is raised	O	R 1/15
C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
POC06	212	Unit Price Price per unit of product, service, commodity, etc.	X	1 R 1/17
POC07	639	Basis of Unit Price Code Code identifying the type of unit price for an item Refer to 004010 Data Element Dictionary for acceptable code values.	O	1 ID 2/2
POC08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
POC09	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
POC10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
POC11	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
POC12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
POC13	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
POC14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
POC15	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
POC16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in	X	1 ID 2/2

		Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
POC17	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
POC18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
POC19	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
POC20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
POC21	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
POC22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
POC23	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
POC24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
POC25	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
POC26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
POC27	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48

Segment: **LIN** **Item Identification**
Position: 0150
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify basic item identification data
Syntax Notes:

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes:

- 1 LIN01 is the line item identification

Comments:

- 1 See the Data Dictionary for a complete list of IDs.
- 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item.
For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u> <u>Name</u>		
LIN01	350 Assigned Identification	O	1 AN 1/20
	Alphanumeric characters assigned for differentiation within a transaction set		
M	LIN02 235 Product/Service ID Qualifier	M	1 ID 2/2
	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
M	LIN03 234 Product/Service ID	M	1 AN 1/48
	Identifying number for a product or service		
	LIN04 235 Product/Service ID Qualifier	X	1 ID 2/2
	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
	LIN05 234 Product/Service ID	X	1 AN 1/48
	Identifying number for a product or service		
	LIN06 235 Product/Service ID Qualifier	X	1 ID 2/2
	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
	LIN07 234 Product/Service ID	X	1 AN 1/48
	Identifying number for a product or service		
	LIN08 235 Product/Service ID Qualifier	X	1 ID 2/2
	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
	LIN09 234 Product/Service ID	X	1 AN 1/48
	Identifying number for a product or service		
	LIN10 235 Product/Service ID Qualifier	X	1 ID 2/2

		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN11	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
LIN12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
LIN13	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
LIN15	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
LIN16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
LIN17	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
LIN18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
LIN19	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
LIN20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
LIN21	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
LIN22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
LIN23	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
LIN24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
LIN25	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
LIN27	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
LIN28	235	Product/Service ID Qualifier	X	1 ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 004010 Data Element Dictionary for acceptable code values.

LIN29	234	Product/Service ID	X	1 AN 1/48
		Identifying number for a product or service		
LIN30	235	Product/Service ID Qualifier	X	1 ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN31	234	Product/Service ID	X	1 AN 1/48
		Identifying number for a product or service		

Segment: **PID** **Product/Item Description**
Position: 0500
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

Semantic Notes:

- 1 Use PID03 to indicate the organization that publishes the code list being referred to.
- 2 PID04 should be used for industry-specific product description codes.
- 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- 4 PID09 is used to identify the language being used in PID05.

Comments:

- 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349 Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 1/1
	PID02	750 Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/3
	PID03	559 Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PID04	751 Product Description Code A code from an industry code list which provides specific data about a product characteristic	X 1 AN 1/12
	PID05	352 Description A free-form description to clarify the related data elements and their content	X 1 AN 1/80
	PID06	752 Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	PID07	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O 1 AN 1/15
	PID08	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	PID09	819 Language Code Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O 1 ID 2/3

Segment: **CTT** Transaction Totals
Position: 0100
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
 2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items Total number of line items in the transaction set	M 1 N0 1/6
	CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	O 1 R 1/10

Example:

-.0018 First occurrence of value being

hashed.

.18 Second occurrence of value being

hashed.

1.8 Third occurrence of value being

hashed.

18.01 Fourth occurrence of value being

hashed.

CTT03	81	1855 Hash Total Weight	X	1 R 1/10
		Numeric value of weight		
CTT04	355	Unit or Basis for Measurement Code	X	1 ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.		
CTT05	183	Volume	X	1 R 1/8
		Value of volumetric measure		
CTT06	355	Unit or Basis for Measurement Code	X	1 ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.		
CTT07	352	Description	O	1 AN 1/80
		A free-form description to clarify the related data elements and their content		

Segment: **AMT** Monetary Amount
Position: 0200
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 5
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	AMT01	522	Amount Qualifier Code Code to qualify amount Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 1/3
M	AMT02	782	Monetary Amount Monetary amount	M 1 R 1/18
	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1

Segment: **SE** Transaction Set Trailer
Position: 0300
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M 1 N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9

Segment: **GE** Functional Group Trailer
Position: 0310
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information
Syntax Notes:
Semantic Notes: 1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.
Comments: 1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	GE01	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M 1 N0 1/6
M	GE02	28	Group Control Number Assigned number originated and maintained by the sender	M 1 N0 1/9

Segment: **IEA** Interchange Control Trailer
Position: 0320
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange	M 1 N0 1/5
M	IEA02	I12	Interchange Control Number A control number assigned by the interchange sender	M 1 N0 9/9